



ABSTRACT OF THE DISCLOSURE

A photoelectric converter capable of reducing random noise comprises a photoelectric conversion circuit for generating an optical signal in correspondence to incident light, a reset circuit connected to an output terminal of the photoelectric conversion circuit, and an amplification circuit connected to output terminals of the photoelectric conversion circuit and the reset circuit. An electric charge transfer unit has one terminal connected to an output terminal of the amplification circuit and another terminal connected to a capacitor. A source follower amplifier has a gate connected to the electric charge transfer unit and the capacitor, and a channel selection circuit is connected to a source of the source follower amplifier. A common signal line is connected to an output terminal of the channel selection circuit, a first current source is connected to the common signal line, and a second current source is connected to the source of the source follower.